

Makita LB1200F

Makita LB1200F Band Saw Machine User Manual

Model: LB1200F

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Makita LB1200F Band Saw Machine. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Wear a dust mask if operation creates dust. Do not overreach. Maintain proper footing and balance at all times.
- **Band Saw Specific Safety:**
 - Ensure the blade is properly tensioned and aligned before operation.
 - Never attempt to clear sawdust or debris while the machine is running.
 - Keep hands and fingers away from the blade path. Use push sticks or blocks when cutting small pieces.
 - Ensure the dust collection system is connected and functioning properly to minimize airborne dust.
 - Always disconnect power before changing blades or performing maintenance.

SETUP AND ASSEMBLY

The Makita LB1200F Band Saw Machine requires assembly before first use. It is recommended that two people assemble

the unit due to its weight.

Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. Report any damage immediately to your dealer.

Assembly Steps

1. **Base and Stand Assembly:** Assemble the stand components according to the diagrams provided in the separate assembly guide. Ensure all bolts are securely tightened. The machine features casters for easy mobility once assembled.
2. **Mounting the Band Saw Unit:** Carefully lift the main band saw unit onto the assembled stand. Secure it using the provided fasteners.
3. **Table Installation:** Attach the work table to the main unit, ensuring it is level and securely fastened.
4. **Blade Installation and Tensioning:** Install the band saw blade, ensuring it is correctly seated on the wheels and guided by the blade guides. Adjust the blade tension using the quick-release tension lever until it is firm but not overly tight.
5. **Dust Collection System Connection:** Connect your external dust collection system to the built-in dust collection port on the machine. This is crucial for maintaining a clean work environment and machine longevity.



Figure 1: Fully assembled Makita LB1200F Band Saw Machine, showing its robust stand and casters for mobility.

OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features before beginning any cutting operations.

Controls and Features

- **Power Switch:** Located on the front of the machine. Features an anti-restart function for safety.
- **Speed Control:** Mechanical speed control allows adjustment of blade speed for different materials and cutting tasks.

- **LED Job Light:** Integrated LED light illuminates the cutting area for improved visibility.
- **Table Tilt:** The work table can be tilted for angled cuts. Loosen the locking knob, adjust to the desired angle, and re-tighten.
- **Blade Guides:** Adjustable guides above and below the table support the blade and prevent twisting during cuts.
- **Rip Fence:** A movable fence for making straight, parallel cuts.



Figure 2: Detailed view of the cutting table, blade, and rip fence, highlighting the precision components.

Cutting Procedures

1. Preparation:

- Ensure the workpiece is free of nails, screws, or other foreign objects.
- Adjust the blade guides to be just above the workpiece.
- Set the appropriate blade speed for the material (e.g., slower for metal, faster for wood).
- Turn on the LED job light for better visibility.

2. Making a Cut:

- Place the workpiece firmly on the table.
- Turn on the machine. Allow the blade to reach full speed before beginning the cut.
- Feed the workpiece slowly and steadily into the blade. Do not force the cut.
- Use the rip fence for straight cuts. For curved cuts, guide the material freehand, keeping hands clear of the blade.

3. After Cutting:

- Turn off the machine and wait for the blade to come to a complete stop before removing the workpiece or clearing debris.
- Clean the work area and the machine, ensuring the dust collection system has removed most of the sawdust.



Figure 3: The Makita LB1200F in operation, demonstrating its capacity to cut large wooden beams with the rip fence.



Figure 4: A user demonstrating the precise control and guidance possible when feeding material into the band saw.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your band saw.

- **Blade Replacement:** Replace dull or damaged blades promptly. Refer to the assembly section for blade installation.
- **Cleaning:** Regularly clean sawdust and debris from the blade guides, wheels, and internal compartments. Disconnect power before cleaning.
- **Dust Collection System:** Empty the dust collection bag or container regularly. Ensure hoses are clear and free of blockages.
- **Blade Guide Adjustment:** Periodically check and adjust the blade guides for proper alignment and clearance.
- **Lubrication:** Refer to the detailed service manual for specific lubrication points and schedules.

TROUBLESHOOTING

This section addresses common issues you might encounter with your band saw.

| Problem | Possible Cause | Solution |
|----------------------------|---|---|
| Blade not cutting straight | Dull blade, incorrect blade tension, misaligned blade guides. | Replace blade, adjust blade tension, align blade guides. |
| Excessive vibration | Loose components, unbalanced blade, worn bearings. | Check all fasteners, replace blade, contact service for bearing issues. |
| Motor not starting | No power, tripped circuit breaker, anti-restart function engaged. | Check power supply, reset breaker, ensure power switch is cycled correctly. |

| Problem | Possible Cause | Solution |
|----------------------|--|---|
| Poor dust collection | Clogged hose, full dust bag, inadequate external dust collector. | Clear hose, empty bag, ensure dust collector is sufficient. |

SPECIFICATIONS

Key technical specifications for the Makita LB1200F Band Saw Machine.

- **Model:** LB1200F
- **Brand:** Makita
- **Wattage:** 900W
- **Blade Material:** High Speed Steel
- **Surface Recommendation:** Wood, Aluminum
- **Special Feature:** Brushless motor
- **Included Components:** 1 x Makita LB1200F Band Saw Machine, 900W Capacity
- **UPC:** 088381612128

Note: Specifications are subject to change without notice. Always refer to the product label for the most accurate and up-to-date information.

WARRANTY AND SUPPORT

Makita products are manufactured to strict quality standards. For warranty information, technical support, or service inquiries, please contact Makita customer service or visit the official Makita website.

Customer Support: Refer to your purchase documentation or the official Makita website for contact details.

Protection Plans: Additional protection plans may be available for purchase. Consult your retailer for details on extended warranty options.